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012306938 **Image available**

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Pixel signal processing apparatus for electronic video camera - has signal level adjuster that varies levels of pixel signals on lines of two sections of image detection area, so that maximum succession of pixel signals on both lines will be made in accord

Patent Assignee: ASAHI OPTICAL CO LTD (ASAO); ASAHI KOGAKU KOGYO KK (ASAO)

Inventor: SATO K

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10336529	A	19981218	JP 9893035	A	19980406	199910 B
US 6337713	B1	20020108	US 9850985	A	19980331	200211
JP 3574563	B2	20041006	JP 9893035	A	19980406	200465

Priority Applications (No Type Date): JP 97102750 A 19970404

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10336529	A		18	H04N-005/335	
US 6337713	B1			H04N-003/14	
JP 3574563	B2	21		H04N-005/335	Previous Publ. patent JP 10336529

Abstract (Basic): JP 10336529 A

NOVELTY - The levels of the pixel signals in each of two lines differ from each other. The levels are made to reduce gradually to approach the boundary between the two sections of an image detection area in a solid state image pick-up sensor (104). A signal level adjuster varies the levels correspondingly so that the maximum succession of pixel signals on both lines will be made in accord.

DETAILED DESCRIPTION - The apparatus processes pixel signals obtained from the two sections of the image detection area. A pixel signal read-out unit reads out the pixel signals of one line from each section simultaneously. The pixel signal at the leading portion of the line is separated from the boundary of the two sections, while the maximum consecutive pixel signals of the line approach the boundary. An INDEPENDENT CLAIM is included for the following: two signal level modifying units, two signal level detectors, and a signal level difference calculation unit.

USE - For electronic video camera.

ADVANTAGE - Highly definitive image duplication can be performed.

DESCRIPTION OF DRAWING(S) - The drawing shows the schematic block diagram of the electronic video camera. (104) image pick-up sensor.

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Title Terms: PIXEL; SIGNAL; PROCESS; APPARATUS; ELECTRONIC; VIDEO; CAMERA; SIGNAL; LEVEL; ADJUST; VARY; LEVEL; PIXEL; SIGNAL; LINE; TWO; SECTION; IMAGE; DETECT; AREA; SO; MAXIMUM; SUCCESSION; PIXEL; SIGNAL; LINE; MADE; ACCORD

Derwent Class: W04

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International Patent Class (Additional): H04N-005/232

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